

Title (en)  
Solar cell and manufacturing method thereof

Title (de)  
Solarzelle und Verfahren zu ihrer Herstellung

Title (fr)  
Cellule solaire et sa méthode de fabrication

Publication  
**EP 0747972 A2 19961211 (EN)**

Application  
**EP 96304097 A 19960605**

Priority  
• JP 13821895 A 19950605  
• JP 6642196 A 19960322

Abstract (en)  
A solar cell includes an n type diffusion layer (2) formed on a first main surface side of a p<-> type monocrystalline Si substrate (1), and a p<+> type semiconductor layer (4) formed on a second main surface side of substrate (1) and having an energy bandgap narrower than that of Si and an impurity concentration higher than that of substrate (1). <IMAGE>

IPC 1-7  
**H01L 31/075**; **H01L 31/0312**

IPC 8 full level  
**H01L 31/04** (2006.01); **H01L 31/0248** (2006.01); **H01L 31/0312** (2006.01); **H01L 31/052** (2006.01); **H01L 31/06** (2012.01); **H01L 31/068** (2012.01); **H01L 31/077** (2012.01); **H01L 31/18** (2006.01)

CPC (source: EP US)  
**H01L 31/06** (2013.01 - EP US); **H01L 31/077** (2013.01 - EP US); **H01L 31/1804** (2013.01 - EP US); **H01L 31/1812** (2013.01 - EP US); **Y02E 10/547** (2013.01 - EP US); **Y02E 10/548** (2013.01 - EP); **Y02P 70/50** (2015.11 - EP US)

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**EP 0747972 A2 19961211**; **EP 0747972 A3 19971119**; **EP 0747972 B1 20021127**; DE 69624981 D1 20030109; DE 69624981 T2 20030724; DE 69636605 D1 20061116; DE 69636605 T2 20070816; EP 1231648 A2 20020814; EP 1231648 A3 20041208; EP 1231648 B1 20061004; JP 3223102 B2 20011029; JP H0955521 A 19970225; US 5738732 A 19980414

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